# The Darwin Core Archive Viewer App

In this document, we give a quick overview of functionality and design of the Darwin Core Archive Viewer App. The main functioning of this app is to view and inspect the content of a Darwin Core Archive (DwC-A). This include visualization of both metadata, data content and the data itself. The app itself will be a stand-alone web application, but on our way to a functioning app we will make a set of new R-functions that will be included in the LivNoR package.

## Key technical decision:

[This is for Joe to write – some words about what we discussed regarding server vs client side processes, scalability, shiny dashboard vs regular shiny, issues with dependencies and version control etc]

## Key functionality

### Starting page/landing page:

We will need a starting page / landing page with the following key functionality:

* Some info about the app
* Select data set (archive) to inspect/view
  + Select published DwC-A or select from your local computer
    - Making it possible to inspect your own data set
* This is also probably where the metadata appears once the selection is being made
  + We might consider displaying the complete metadata
  + Also – list data tables and other content in the DwC-A

### Data table view

On this side/tab – we should be able to view the data tables

* Select between the different tables (core tables and extensions)
* Simple search and sorting of table fields
* Potentially filter and select?